

CuVerro® surfaces provide the strength, performance and clean look that high-touch surfaces demand. Available in sheet, strip, ingot, rod and tube CuVerro® V -Rose offers designers the freedom to explore a wide variety of touch surfaces and products solutions. CuVerro® alloys are made with antimicrobial copper—the only solid surface registered by the EPA to kill 99.9% of bacteria* that cause infections, within two hours. For more information contact Olin Brass Market Development Engineering at 1-877-311-CuVerro (2883), CuVerro.com or email us at CuVerro@olinbrass.com.

Copper Alloy C70600

Chemical Composition

Copper¹	Remainder
Nickel	9.0 - 11.0%
Iron	1.0 - 1.8%
Manganese	1.0% MAX
Zinc	1.0% MAX
Lead	0.05% MAX

¹ Cu includes Ag; Copper plus named elements, 99.5%

² Ni Values Include Co



Physical Properties

	English Units	Metric Units
Density	0.323 lb/in ³ @ 68°F	8.94 g/cm ³
Thermal Conductivity	26 BTU-ft/ft ² -hr-°F	45 W/mK
Electrical Resistivity	115 ohm circ mils/ft	19.1 microhm-cm
Electrical Conductivity (annealed)	9% IACS	.0522 megamho/cm
Modulus of Elasticity	18,000,000 psi	124 kN/mm ²
Coeff. Of Thermal Expansion 68-572°F (20-300°C)	9.5 PPM/°F	17.1 PPM/°C

Mechanical Properties

Temper ¹	Tensile Strength		Yield Strength ²		% Elongation ³	Typical 90° Bend Formability GW/BW ⁴	
	ksi	N/mm ²	ksi	N/mm ²			
Soft(Annealed)	43-50	295-345	19	130	35	-	-
1/4 Hard	51-67	350-460	53	365	12	0.5	0.5
1/2 Hard	58-72	400-495	63	435	5	1.0	1.0
Hard	71-83	490-570	75	515	1 min	1.5	2.0

¹ Mechanical properties subject to change.

² Nominal Values

³ Nominal Values in 2" (51mm)

⁴ R/T = Bend Radius/Material Thickness <0.016" (0.4mm) thick, 11/16 (17.5mm) wide.

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